

7 STEREOMICROSCOPES	Page 1 of 1
Division of Forensic Science  CONTROLLED SUBSTANCES TRAINING MANUAL	Amendment Designator: A
	Effective Date: 21-October-2005
<p style="text-align: center;"><b>7 STEREOMICROSCOPES</b></p> <p><b>7.1 Objectives</b></p> <p>7.1.1 To make the trainee proficient in the use of the stereomicroscopes used in the laboratory.</p> <p><b>7.2 Modes of Instruction</b></p> <p>7.2.1 Self-directed study through reading assignments</p> <p>7.2.2 Demonstrations by the TC</p> <p><b>7.3 Reference</b></p> <p>7.3.1 Microscope manufacturer's operating manual</p> <p>7.3.2 Saferstein, Richard, Ph.D. <i>Criminalistics: An Introduction to Forensic Science, Eighth Edition</i>. Upper Saddle River, NJ: Prentice Hall, 2004, pp. 175-176.</p> <p>7.3.3 Saferstein, Richard, Ph.D., editor. <i>Forensic Science Handbook</i>. Englewood Cliffs: Prentice Hall, 1982, pp. 416-434.</p> <p><b>7.4 Assignments</b></p> <p>7.4.1 Completion of required reading assignments (7.3.2)</p> <p>7.4.2 Practical exercise</p> <p>7.4.3 Study questions</p> <p><b>7.5 Study questions</b></p> <p>7.5.1 Describe the various parts of the stereomicroscope and the function of each.</p> <p>7.5.2 How does the stereomicroscope differ from other microscopes?</p> <p>7.5.3 How is the magnification determined? What magnification ranges are used in the laboratory?</p> <p>7.5.4 What is the laboratory's quality assurance procedure for the microscopes?</p> <p><b>7.6 Practical exercises</b></p> <p>7.6.1 Record observations of the following:</p> <p style="padding-left: 40px;">7.6.1.1 Baking soda</p> <p style="padding-left: 40px;">7.6.1.2 Table salt</p> <p style="padding-left: 40px;">7.6.1.3 Ground marijuana leaf material</p> <p><b>7.7 Modes of Evaluation</b></p> <p>7.7.1 Written examination</p> <p style="text-align: right;">♦ End</p>	